UNI & DOOR W

## SEQUENCE LISTING

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Zheng, Xin Xiao
Kim, Yon Su
Lacraz, Sylvie Ferrari

<120> COMPOSTION AND METHOD FOR ACHIEVING IMMUNE SUPPRESSION

<130> 01948-056001

<140> 09/855,313

<141> 2001-05-14

<150> 60/203,801

<151> 2000-05-12

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ttg tgt tta ctt cta aac agt cat ttt cta act gaa gct ggc att cat
Leu Cys Leu Leu Asn Ser His Phe Leu Thr Glu Ala Gly Ile His
20 25 30

gtc ttc att ttg ggc tgt ttc agt gca ggg ctt cct aaa aca gaa gcc Val Phe Ile Leu Gly Cys Phe Ser Ala Gly Leu Pro Lys Thr Glu Ala
35 40 45

caa tct atg cat att gat gct act tta tat acg gaa agt gat gtt cac
Gln Ser Met His Ile Asp Ala Thr Leu Tyr Thr Glu Ser Asp Val His
65 70 75 80

ccc agt tgc aaa gta aca gca atg aag tgc ttt ctc ttg gag tta caa 288
Pro Ser Cys Lys Val Thr Ala Met Lys Cys Phe Leu Leu Glu Leu Gln
85 90 95

Al

Cont

gtt att tca ctt gag tcc gga gat gca agt att cat gat aca gta gaa 336 Val Ile Ser Leu Glu Ser Gly Asp Ala Ser Ile His Asp Thr Val Glu aat ctg atc atc cta gca aac aac agt ttg tct tct aat ggg aat gta 384 Asn Leu Ile Ile Leu Ala Asn Asn Ser Leu Ser Ser Asn Gly Asn Val 120 aca gaa tot gga tgc aaa gaa tgt gag gaa ctg gag gaa aaa aat att 432 Thr Glu Ser Gly Cys Lys Glu Cys Glu Glu Leu Glu Glu Lys Asn Ile 135 aaa gaa ttt ttg gac agt ttt gta cat att gtc gac atg ttc atc aac 480 Lys Glu Phe Leu Asp Ser Phe Val His Ile Val Asp Met Phe Ile Asn 150 155 act tct tga 489 Thr Ser <210> 2 <211> 162 <212> PRT <213> Homo sapiens <400> 2 Met Arg Ile Ser Lys Pro His Leu Arg Ser Ile Ser Ile Gln Cys Tyr Leu Cys Leu Leu Leu Asn Ser His Phe Leu Thr Glu Ala Gly Ile His 25 Val Phe Ile Leu Gly Cys Phe Ser Ala Gly Leu Pro Lys Thr Glu Ala 40 Asn Trp Val Asn Val Ile Ser Asp Leu Lys Lys Ile Glu Asp Leu Ile 55 Gln Ser Met His Ile Asp Ala Thr Leu Tyr Thr Glu Ser Asp Val His Pro Ser Cys Lys Val Thr Ala Met Lys Cys Phe Leu Leu Glu Leu Gln 8.5 90 Val Ile Ser Leu Glu Ser Gly Asp Ala Ser Ile His Asp Thr Val Glu 105 Asn Leu Ile Ile Leu Ala Asn Asn Ser Leu Ser Ser Asn Gly Asn Val 120 Thr Glu Ser Gly Cys Lys Glu Cys Glu Glu Leu Glu Glu Lys Asn Ile 135 140 Lys Glu Phe Leu Asp Ser Phe Val His Ile Val Asp Met Phe Ile Asn 155 🛰 Thr Ser <210> 3 <211> 489 <212> DNA <213> Homo sapiens

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|-------------------------|-------------------|-------------------|-------------------|------------------|-------------------|-------------------|-------------------|-------------------|------------------|-------------------|-------------------|-------------------|-------------------|------------------|-------------------|-----|
| ttg<br>Leu              | tgt<br>Cys        | tta<br>Leu        | ctt<br>Leu<br>20  | cta<br>Leu       | aac<br>Asn        | agt<br>Ser        | cat<br>His        | ttt<br>Phe<br>25  | cta<br>Leu       | act<br>Thr        | gaa<br>Glu        | gct<br>Ala        | ggc<br>Gly<br>30  | att<br>Ile       | cat<br>His        | 96  |
| gtc<br>Val              | ttc<br>Phe        | att<br>Ile<br>35  | ttg<br>Leu        | ggc<br>Gly       | tgt<br>Cys        | ttc<br>Phe        | agt<br>Ser<br>40  | gca<br>Ala        | ggg<br>Gly       | ctt<br>Leu        | cct<br>Pro        | aaa<br>Lys<br>45  | aca<br>Thr        | gaa<br>Glu       | gcc<br>Ala        | 144 |
| aac<br>Asn              | tgg<br>Trp<br>50  | gtg<br>Val        | aat<br>Asn        | gta<br>Val       | ata<br>Ile        | agt<br>Ser<br>55  | gat<br>Asp        | ttg<br>Leu        | aaa<br>Lys       | aaa<br>Lys        | att<br>Ile<br>60  | gaa<br>Glu        | gat<br>Asp        | ctt<br>Leu       | att<br>Ile        | 192 |
| caa<br>Gln<br>65        | tct<br>Ser        | atg<br>Met        | cat<br>His        | att<br>Ile       | gat<br>Asp<br>70  | gct<br>Ala        | act<br>Thr        | tta<br>Leu        | tat<br>Tyr       | acg<br>Thr<br>75  | gaa<br>Glu        | agt<br>Ser        | gat<br>Asp        | gtt<br>Val       | cac<br>His<br>80  | 240 |
| ccc<br>Pro              | agt<br>Ser        | tgc<br>Cys        | aaa<br>Lys        | gta<br>Val<br>85 | aca<br>Thr        | gca<br>Ala        | atg<br>Met        | aag<br>Lys        | tgc<br>Cys<br>90 | ttt<br>Phe        | ctc<br>Leu        | ttg<br>Leu        | gag<br>Glu        | tta<br>Leu<br>95 | caa<br>Gln        | 288 |
| gtt<br>Val              | att<br>Ile        | tca<br>Ser        | ctt<br>Leu<br>100 | gag<br>Glu       | tcc<br>Ser        | gga<br>Gly        | gat<br>Asp        | gca<br>Ala<br>105 | agt<br>Ser       | att<br>Ile        | cat<br>His        | gat<br>Asp        | aca<br>Thr<br>110 | gta<br>Val       | gaa<br>Glu        | 336 |
| aat<br>Asn              | ctg<br>Leu        | atc<br>Ile<br>115 | atc<br>Ile        | cta<br>Leu       | gca<br>Ala        | aac<br>Asn        | aac<br>Asn<br>120 | agt<br>Ser        | ttg<br>Leu       | tct<br>Ser        | tct<br>Ser        | aat<br>Asn<br>125 | ggg<br>Gly        | aat<br>Asn       | gta<br>Val        | 384 |
| aca<br>Thr              | gaa<br>Glu<br>130 | tct<br>Ser        | gga<br>Gly        | tgc<br>Cys       | aaa<br>Lys        | gaa<br>Glu<br>135 | tgt<br>Cys        | gag<br>Glu        | gaa<br>Glu       | ctg<br>Leu        | gag<br>Glu<br>140 | gaa<br>Glu        | aaa<br>Lys        | aat<br>Asn       | att<br>Ile        | 432 |
| aaa<br>Lys<br>145       | gaa<br>Glu        | ttt<br>Phe        | ttg<br>Leu        | cag<br>Gln       | agt<br>Ser<br>150 | ttt<br>Phe        | gta<br>Val        | cat<br>His        | att<br>Ile       | gtc<br>Val<br>155 | caa<br>Gln        | atg<br>Met        | ttc<br>Phe        | atc<br>Ile       | aac<br>Asn<br>160 | 480 |
|                         | tct<br>Ser        | tga               |                   |                  |                   |                   |                   |                   |                  |                   |                   |                   |                   |                  |                   | 489 |

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Out Al

Leu Cys Leu Leu Leu Asn Ser His Phe Leu Thr Glu Ala Gly Ile His 20 25 Val Phe Ile Leu Gly Cys Phe Ser Ala Gly Leu Pro Lys Thr Glu Ala 40 45 Asn Trp Val Asn Val Ile Ser Asp Leu Lys Lys Ile Glu Asp Leu Ile 55 Gln Ser Met His Ile Asp Ala Thr Leu Tyr Thr Glu Ser Asp Val His 70 75 Pro Ser Cys Lys Val Thr Ala Met Lys Cys Phe Leu Leu Glu Leu Gln 8.5 90 Val Ile Ser Leu Glu Ser Gly Asp Ala Ser Ile His Asp Thr Val Glu 100 105 Asn Leu Ile Ile Leu Ala Asn Asn Ser Leu Ser Ser Asn Gly Asn Val 115 120 Thr Glu Ser Gly Cys Lys Glu Cys Glu Glu Leu Glu Glu Lys Asn Ile 135 Lys Glu Phe Leu Gln Ser Phe Val His Ile Val Gln Met Phe Ile Asn 150 155 ----Thr Ser <210> 5 <211> 25 <212> DNA <213> Artificial Sequence <223> Synthetically generated oligonucleotide <400> 5 ggaattcaac tgggtgaatg taata 25 <210> 6 <211> 26 <212> DNA <213> Artificial Sequence <220> <223> Synthetically generated oligonucleotide <400> 6 cgggatcctc aagaagtgtt gatgaa 26 <210> 7 <211> 60 <212> DNA <213> Artificial Sequence <223> Synthetically generated oligonucleotide <400> 7

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